SR6-11C

6 U Universal System Platform with 11 Slots for RF Modules

Features

- binary control interface
- TRIGGER IO interface
- integrated power supply
- plug & play capability for modules
- optional controller unit SR6-CU with LAN and USB interface

Applications

- automated test equipment
- signal distributions
- RF matrices
- research and development (R&D)
- production, final testing and screening
- service- and test-centers

Universal System Platform

The system platform SR6-11C is the appropriate platform for the 6 U slide-in modules of the WSDU, RSWU and other series. It can accommodate up to eleven modules and is equipped with an internal power supply. The modules are connected via rack-internal backplane. Therefore, no additional cabling is required.
The combination of different modules allows the realization of flexible system solutions like remotely controllable switching matrices or large-scale distribution systems.
For advanced control of the slot-in modules, the optional SR6-11C controller unit is available.

SR6-CU – Controller Unit

The slide-in controller unit SR6-CU provides the remote interfaces USB and LAN. The modules inside the SR6-11C system platform can be controlled via USB and Socket Connection.
The modules can be added to the system subsequently.

For Time-critical Applications

In applications where shortest response times are required, the equipped slot-in modules can be controlled via the low-level ‘Binary Interface’ of the SR6-11C system rack.
This interface allows direct programming of the binary data registers inside the modules.

Synchronous Switching

SR6-11C enables the synchronous execution of multiple commands across the whole system rack. For this purpose, the system platform provides a TRIGGER IO interface which allows the synchronous coupling of multiple SR6-11C system racks and other compatible devices.
Thus, it is possible to create synchronous switching compounds with the devices and modules of the RSWU series for example.

Plug & Play

Modules can be installed without the need of additional power supply and wiring for internal control interfaces. The rack contains a 400 W power supply for mains operation.

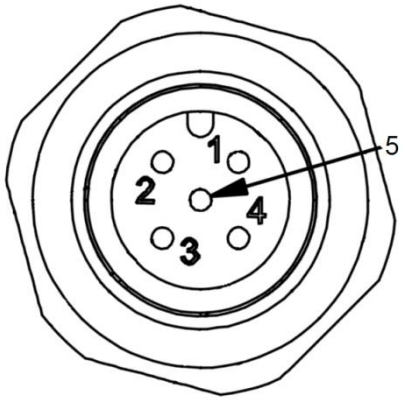
Specifications

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
input voltage	V_{in}	90		260	V_{AC}	f = 50 Hz
input harmonics		compliant EN61000-3-2				
output power	P_{out}			400[1]	VA[1]	total, continuous, derate by 2.5%/°C for T_u > 50°C*
efficiency	n		90		%	
output voltage	V_{out}		24		V	
output current	I_{out}			1.5	A	each slot
ripple and noise	U_{noise}		1		% pk-pk	EIAJ method with 20 MHz BW.
dimensions	L x W x H	approx. 266 x 482 x 180			mm	19” 6 U
weight			3200		g	
operating temp. range	T_o	+5		+40	°C	ambiance
storage temp. range	T_s	-40		+70	°C	
Binary Interface		5 pole M12 connector (male)				with SYNC line
ordering information		SR6-11C		1409.1202.1		system rack with ‘Binary Interface’
option controller unit		SR6-CU		1409.3000.1		unit with USB and LAN interface

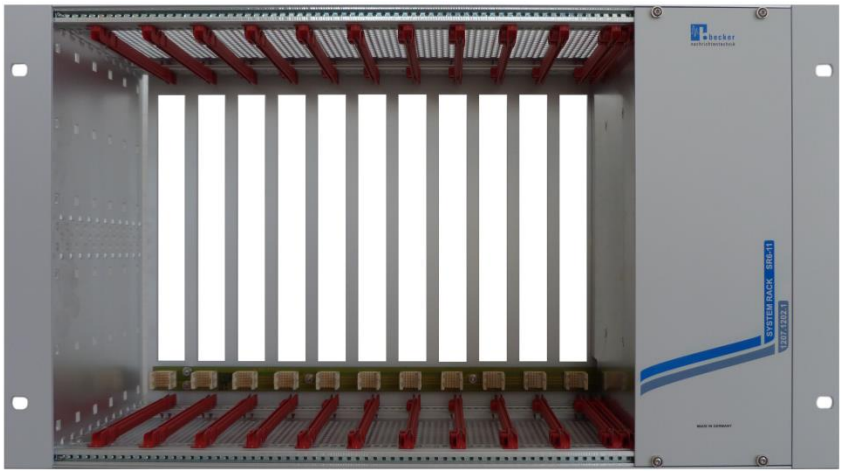
Note 1: appropriate ventilation must be applied for providing the maximum power

‘Binary Interface’ Pin assignment

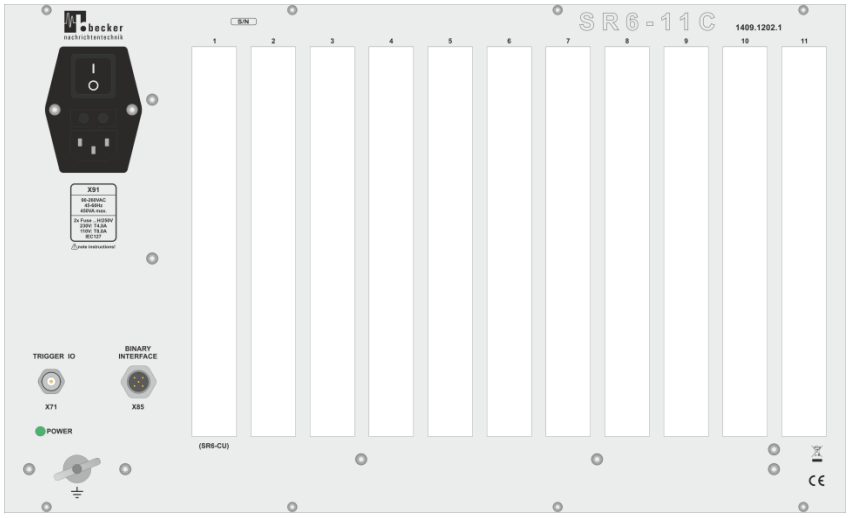
PIN	Designation	Remark
1	TRIGGER_IO	Wired AND trigger bus
2	+5V_USB	Used for host detection only
3	D-	Negative differential data
4	D+	Positive differential data
5	GND	Ground



Front View



Rear View



Related Products

Product	Description	P/N
SR6-CU	Controller unit with LAN and USB interface	1409.3000.1
WSDU1X8	8 way multicoupler 100 kHz … 4000 MHz	1202.6100.1
WSDU-1X2PL	5 W medium output power multicoupler 20 … 2800 MHz	1202.6300.3
WSDU-1X8P	8 x 400 mW 8 way multicoupler 20 MHz ... 2700 MHz	1209.6001.1
WSDU-2X4E+	Two channel 1X4 plus 1 channel 1X2 multicoupler module 20 MHz ... 8000 MHz	1502.6200.1
WSDU-1X8S	8 way mulitcoupler for the short wave range 1.7 … 30 MHz	1502.6100.1
RSWU-8SPSTS	8 channel non-reflective SPST switch 100 kHz … 8500 MHz	1408.4000.1
RSWU-4SPDTS	4 channel non-reflective SPDT switch 100 kHz … 8500 MHz	1408.4020.1
RSWU-2SP4TS+	2 channel non-reflective SP4T switch + 1 channel SPDT 100 kHz … 8500 MHz	1408.4030.1